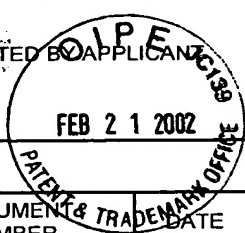


Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203515US77		SERIAL NO. 10/023,888	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT William M. CANFIELD			
FILING DATE December 21, 2001				GROUP 1652			



U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<div style="font-size: 2em;">EJ</div>	AA	6,118,045	09/12/94	REUSER ET AL	800	14	
	AB	5,939,279	08/17/99	SMITH <i>et al</i>	435	7.32	
	AC	5,932,211	08/03/99	WILSON ET AL	424	94.6	
	AD	5,929,036	07/27/99	McEVER	514	25	
	AE	5,928,928	07/27/99	AERTS	435	201	
	AF	5,919,913	07/06/99	NUYENS ET AL	530	395	
	AG	5,919,690	07/06/99	KNAP ET AL	435	208	
	AH	5,917,122	06/29/99	BYRNE	800	18	
	AI	5,916,911	06/29/99	SHAYMAN EET AL	514	428	
	AJ	5,916,870	06/29/99	LEE ET AL	514	2	
	AK	5,914,231	06/22/99	HENNINK ET AL	435	6	
	AL	5,912,146	06/15/99	NISHIMURA ET AL	435	91.1	
	AM	5,911,704	06/15/99	HUMES	604	93.01	
	AN	5,906,817	05/25/99	MOULLIER ET AL	424	93.21	

FOREIGN PATENT DOCUMENTS					
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
	AO				
	AP				
	AQ				
	AR				
	AS				
	AT				
	AU				
	AV				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)		
EJ	AW	Alan D. Elbein et al., "KIFUNENSINE, A POTENT INHIBITOR OF THE GLYCOPROTEIN PROCESSING MANNOSIDASE I", The Journal of Biological Chemistry, Vol. 265, No. 26, Issue of September 15, pp. 15599-15605, 1990.
EJ	AX	SLY, "The Missing Link in Lysosomal Enzyme Targeting", The Journal of Clinical Investigation, Vol. 105, No. 5, Pages 563-564, March 2000
EJ	AY	Raas-Rothschild et al., "Molecular Basis of Variant Pseudo-Hurler Polydystrophy (Mucopolidosis IIIC)", The Journal of Clinical Investigation, Vol. 105, No. 5, pp. 673-681, March 2000
EJ	AZ	Bao et al., "Bovine Udp-N-Acetylglucosamine: Lysosomal-Enzyme N-Acetylglucosamine-1- Phosphotransferase", The Journal of Biological Chemistry, Vol. 271, No. 49, pp. 31446-31451, December 6, 1996

Examiner <i>E. Slobodiansky</i>	Date Considered <i>4/16/03</i>
---------------------------------	--------------------------------

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449
(Modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO. 203515US77

SERIAL NO. 10/023,888

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT William M. CANFIELD

FILING DATE
DECEMBER 21, 2001

GROUP 1652

FEB 21 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ES	BA	5,895,833	04/20/99	BERG	800	14	
	BB	5,879,937	03/09/99	RONCAROLO	435	235	
	BC	5,874,297	02/23/99	WU ET AL	435	320.1	
	BD	5,871,946	02/16/99	LUCAS ET AL	435	18	
	BE	5,861,491	01/19/99	NUIJENS ET AL	530	417	
	BF	5,858,755	01/12/99	LOWE	435	198	
	BG	5,858,744	01/12/99	BAUM ET AL	435	456	
	BH	5,858,351	01/12/99	PODSAKOFF ET AL	424	93.2	
	BI	5,854,207	12/29/98	LEE ET AL	514	2	
	BJ	5,851,782	12/22/98	HANNUN ET AL	435	7.71	
	BK	5,849,885	12/15/98	NUYENS ET AL	530	416	
	BL	5,840,578	11/24/98	DESニック et al	435	235	
	BM	5,830,916	11/03/98	HANNUN ET AL	514	625	
	BN	5,830,850	11/03/98	GELB ET AL	514	2	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	BO					
	BP					
	BQ					
	BR					
	BS					
	BT					
	BU					
	BV					

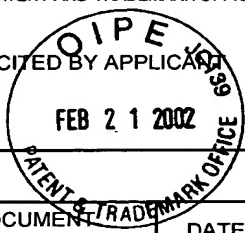
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	BW	KORNFELD, "Purification and Multimeric Structure of Bovine N-Acetylglucosamine-1-Phosphodiester α -N-Acetylglucosaminidase", The Journal of Biological Chemistry, Vol. 273, No. 36, pp. 23203-23210, September 4, 1998
	BX	
	BY	
	BZ	

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203515US77		SERIAL NO. 10/023,888	
LIST OF REFERENCES CITED BY APPLICANT <div style="text-align: center; margin-top: 20px;">  </div>				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP 1652	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
2p ↓ 2p	DA	5,716,614	02/10/98	KATZ ET AL	424	94.3	
	DB	5,707,865	01/13/98	KOHN ET AL	435	325	
	DC	5,704,910	01/06/98	HUMES	604	502	
	DD	5,696,001	12/09/97	HABENSTEIN	436	518	
	DE	5,693,622	12/02/97	WOLFF ET AL	514	44	
	DF	5,691,181	11/25/97	LOWE	435	325	
	DG	5,686,240	11/11/97	SCHUCHMAN ET AL	435	6	
	DH	5,679,545	10/21/97	BAKER ET AL	435	69.1	
	DI	5,665,366	09/09/97	RAWLINGS ET AL	424	401	
	DJ	5,663,254	09/02/97	LEE ET AL	526	238.2	
	DK	5,663,076	09/02/97	ROSTOKER ET AL	438	14	
	DL	5,658,567	08/19/97	CALHOUN ET AL	424	94.61	
	DM	5,648,335	07/15/97	LEWIS ET AL	514	12	
	DN	5,648,229	07/15/97	HABENSTEIN	435	18	
	FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
	DO						
	DP						
	DQ						
	DR						
	DS						
	DT						
	DU						
	DV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	DW						
	DX						
	DY						
	DZ						
Examiner <i>E. Slobodovskiy</i>				Date Considered <i>4/16/03</i>			

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

203515US77

SERIAL NO.

10/023,888

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

William M. CANFIELD

FILING DATE

December 21, 2001

GROUP

1652

FEB 21 2002

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
21	EA	5,639,939	06/17/97	McCUNE, III	800	11	
	EB	5,639,607	06/17/97	DESNICK ET AL	435	6	
	EC	5,633,261	05/27/97	DIME	514	299	
	ED	5,633,228	05/27/97	LEWIS ET AL	514	12	
	EE	5,627,171	05/06/97	PARK ET AL	514	114	
	EF	5,627,073	05/06/97	BAKER ET AL	435	331	
	EG	5,624,806	04/29/97	BAKER ET AL	435	7.1	
	EH	5,621,106	04/15/97	DIME	546	183	
	EI	5,612,206	03/18/97	VALERIO ET AL	435	456	
	EJ	5,585,247	12/17/96	HABENSTEIN	435	18	
	EK	5,583,160	12/10/96	IGARASHI ET AL	514	669	
	EL	5,578,479	11/26/96	LADERMAN ET AL	435	202	
30	EM	5,576,424	11/19/96	MAO ET AL	536	17.9	
	EN	5,571,893	11/05/96	BAKER ET AL	530	380	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	EO					
	EP					
	EQ					
	ER					
	ES					
	ET					
	EU					
	EV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	EW	
	EX	
	EY	
	EZ	

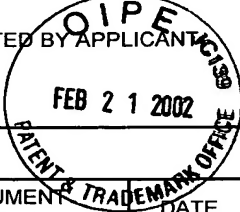
Examiner

S. Stobodysky

Date Considered

4/16/03

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203515US77		SERIAL NO. 10/023,888	
LIST OF REFERENCES CITED BY APPLICANT <div style="text-align: center; margin-top: 20px;">  </div>				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP 1652	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
8	FA	5,571,675	11/05/96	BAKER ET AL	435	6	
	FB	5,569,648	10/29/96	LEWIS ET AL	514	12	
	FC	5,565,362	10/15/96	ROSEN	435	320.1	
	FD	5,554,366	09/10/96	RAWLINGS ET AL	424	78.03	
	FE	5,545,402	08/13/96	WATKINSON	424	94.68	
	FF	5,534,615	07/09/96	BAKER ET AL	530	380	
	FG	5,512,471	04/30/96	SMITH	435	208	
	FH	5,501,957	03/26/96	DENNIS ET AL	435	15	
	FI	5,494,810	02/27/96	BARANY ET AL	435	91.52	
	FJ	5,491,075	02/13/96	DESNICK ET AL	435	69.7	
	FK	5,475,095	12/12/95	MYEROWITZ	536	23.1	
	FL	5,466,809	11/14/95	DIME	546	183	
	FM	5,449,604	09/12/95	SHELLENBERG ET AL	435	6	
	FN	5,443,986	08/22/95	HAUGHLAND ET AL	435	4	
	FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
	FO						
	FP						
	FQ						
	FR						
	FS						
	FT						
	FU						
	FV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	FW						
	FX						
	FY						
	FZ						
Examiner <i>E. Slobodyan</i>				Date Considered <i>4/16/03</i>			
<small>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

203515US77

SERIAL NO.

10/023,888

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

William M. CANFIELD

FILING DATE

December 21, 2001

GROUP

1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
31	GA	5,439,935	08/08/95	RAWLINGS ET AL	514	435 451	
	GB	5,433,946	07/18/95	ALLEN, JR. ET AL		424 94.3	
	GC	5,420,112	05/30/95	LEWIS ET AL	514	12	
	GD	5,405,751	04/11/95	RONCAROLO	435	7.24	
	GE	5,382,524	01/17/95	DESNICK ET AL	435	200	
	GF	5,366,883	11/22/94	ASADA ET AL	435	202	
	GG	5,362,628	11/08/94	HAUGLAND	435	18	
	GH	5,344,352	09/06/94	HORNE ET AL	445	24	
	GI	5,316,906	05/31/94	HAUGLAND ET AL	435	4	
	GJ	5,310,646	05/10/94	WHITLEY	435	4	
	GK	5,296,365	03/22/94	OVERBEEKE ET EA	435	208	
	GL	5,281,394	01/25/94	HOLUB	422	65	
32	GM	5,260,447	11/09/93	NAKAJIMA ET AL	548	222	
	GN	5,242,805	09/07/93	NALEWAY ET AL	435	18	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
	GO				
	GP				
	GQ				
	GR				
	GS				
	GT				
	GU				
	GV				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	GW	
	GX	
	GY	
	GZ	

Examiner

E. Vlodavsky

Date Considered

4/1/3/02


*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203515US77		SERIAL NO. 10/023,888	
LIST OF REFERENCES CITED BY APPLICANT <div style="text-align: center; border: 1px solid black; border-radius: 50%; width: 100px; margin: 0 auto; padding: 5px;"> RECEIVED FEB 21 2002 PATENT & TRADEMARK OFFICE </div>				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2002		GROUP 1652	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
EJ ↓ ES	HA	5,217,865	01/08/93	MYEROWITZ	435 6		
	HB	5,208,148	05/04/93	HAUGLAND ET AL	435 14		
	HC	5,205,917	04/27/93	KLOCK, JR.	436 506		
	HD	5,179,023	01/12/93	CALHOUN ET AL	435 235.1		
	HE	5,166,320	11/24/92	WU ET AL	530 395		
	HF	5,143,841	09/01/92	HIRABAYSHI ET AL	435 227		
	HG	5,126,247	06/30/92	PALMER ET AL	425 25		
	HH	5,089,392	02/18/92	MILLER ET AL	435 21		
	HI	5,002,770 5,082,778	01/21/92	OVERBEEKE ET AL	435 208		
	HJ	5,077,200	12/31/91	HABENSTEIN	435 14		
HK	5,075,231	12/24/91	MOREAU ET AL	435 198			
HL	5,061,925	10/29/91	MATTES ET AL				
HM	5,060,428	10/29/91	ARTHUR, JR. ET AL	52 125.6			
HN	5,015,470	05/14/91	GIBSON	514 2			
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
	HO						
	HP						
	HQ						
	HR						
	HS						
	HT						
	HU						
	HV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	HW						
	HX						
	HY						
	HZ						
Examiner <i>E. Slobodyarsky</i>				Date Considered <i>4/16/03</i>			

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203515US77		SERIAL NO. 10/023,888	
LIST OF REFERENCES CITED BY APPLICANT <div style="text-align: center; border: 1px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 0 auto;"> O I P E FEB 21 2002 PATENT & TRADEMARK OFFICE </div>				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP 1652	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
ES	IA	5,001,072	03/19/91	OLSON			
	IB	4,997,760	03/05/91	HIRABAYASHI ET AL			
	IC	4,987,223	01/22/91	CHOAY ET AL			
	ID	4,986,274	01/22/91	STEPHENS			
	IE	4,981,801	01/01/91	SUZUKI ET AL			
	IF	4,975,441	12/04/90	GIBSON			
	IG	4,866,042	09/12/89	NEUWELT			
	IH	4,851,390	07/25/89	MORISHIGE			
	II	4,798,169	01/17/89	ROSEN ET AL			
	IJ	4,749,570	06/07/88	POZNANSKY			
	IK	4,659,817	04/21/87	GALLOP ET AL			
	IL	4,639,420	01/27/87	SCHAFFNER			
	IM	4,615,884	10/07/86	HARSHMAN			
	IN	4,595,015	06/17/86	JANSEN ET AL			
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO			
	IO						
	IP						
	IQ						
	IR						
	IS						
	IT						
	IU						
	IV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	IW						
	IX						
	IY						
	IZ						
Examiner S. Slobodyanovskiy				Date Considered 4/16/02			

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 203515US77		SERIAL NO. 10/023,888	
LIST OF REFERENCES CITED BY APPLICANT <div style="text-align: center;">  </div>				APPLICANT William M. CANFIELD			
				FILING DATE December 21, 2001		GROUP 1682	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
22	JA	4,496,722	01/29/85	GALLOP ET AL			
	JB	4,492,761	01/08/85	DURACK			
	JC	4,474,770	10/02/84	LORMEAU ET AL			
	JD	4,452,794	06/05/84	KORT ET AL			
	JE	4,433,946	02/28/84	CHRISTIANSO ET AL			
	JF	4,431,737	02/14/84	OLIVIERI ET AL			
	JG	4,401,758	08/30/83	LORMEAU ET AL			
	JH	4,401,662	08/30/83	LORMEAU ET AL			
	JI	4,332,894	06/01/82	WHISTLER			
	JJ	4,328,215	05/04/82	BUEDING			
	JK	4,195,126	12/23/80	HALL			
	JL	4,156,013	03/22/79	BRUINVELS ET AL			
	JM	4,140,107	02/20/79	LANCEE ET AL			
	JN	3,972,777	08/03/76	YAMADA ET AL			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	JO						
	JP						
	JQ						
	JR						
	JS						
	JT						
	JU						
	JV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	JW						
	JX						
	JY						
	JZ						
Examiner <i>E. S. Bodysawsky</i>					Date Considered <i>4/16/03</i>		

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

203515US77

SERIAL NO.

10/023,888

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

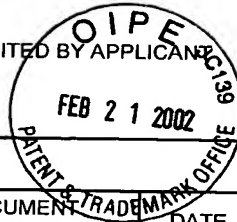
William M. CANFIELD

FILING DATE

December 21, 2001

GROUP

1652



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
SS	AA	3,966,555	06/29/76	ARNAUD ET AL			
	AB	3,957,578	05/18/76	NARITA ET AL			
	AC	RE35,770	04/14/98	LORMEAU ET AL			
	AD	5,773,278	06/30/98	SCHUCHMAN ET AL			
	AE	5,798,366	08/25/98	PLATT ET AL			
	AF	5,635,383	06/03/97	WU ET AL			
	AG	5,968,502	10/19/99	TRECO ET AL			
	AH	5,055,401	10/08/91	LILJESTROEM ET AL			
	AI	5,202,253	04/13/93	ESMON ET AL			
	AJ	5,929,304	07/27/99	RADIN ET AL			
	AK	5,580,757	12/03/96	DESNICK ET AL			
SS	AL	5,356,804	10/18/94	DESNICK ET AL			
	AM	5,401,650	03/28/95	DESNICK ET AL			
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	
	AX	
	AY	
	AZ	

Examiner

E. Stoboyarsky

Date Considered

4/10/03

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.